

Jordan's Jumble

by Arya Akhavan (September 2013)

Angles for R.I. = 1.540

89 + 12 girdles = 101 facets

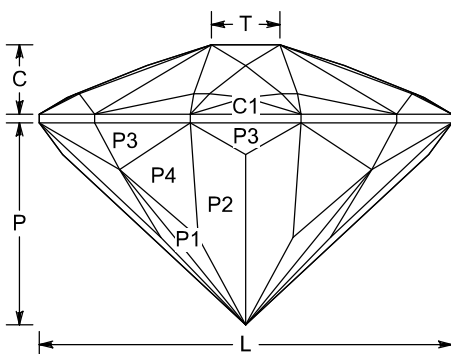
4-fold, mirror-image symmetry

96 index

$L/W = 1.000$ $T/W = 0.167$ $U/W = 0.167$

$P/W = 0.489$ $C/W = 0.168$

$Vol./W^3 = 0.217$



PREFORM

X1	42.00°	96-08-16-24-32-40-48-56-64-72-80-88	Cut to centerpoint.
G1	90.00°	96-08-16-24-32-40-48-56-64-72-80-88	Set stone size.

PAVILION

G1	90.00°	08-16-32-40-56-64-80-88	Retain from preform.
P1	42.00°	08-16-32-40-56-64-80-88	Retain from preform.
P2	43.42°	03-21-27-45-51-69-75-93	Meet at culet (overwrite X1)
P3	53.78°	96-08-16-24-32-40-48-56-64-72-80-88	Meet G1, P2 (level girdle)
P4	44.73°	06-18-30-42-54-66-78-90	Meet G1, P2, P3

CROWN

C1	31.26°	96-24-48-72	Set girdle width.
C2	29.38°	08-16-32-40-56-64-80-88	Level girdle.
C3	23.00°	10-14-34-38-58-62-82-86	Meet G1, C2
C4	28.28°	01-23-25-47-49-71-73-95	Meet G1, C1, C2
C5	27.17°	03-21-27-45-51-69-75-93	Meet G1, C1, C2, C4
C6	20.22°	03-21-27-45-51-69-75-93	Meet C2, C3, C5
C7	21.72°	96-24-48-72	Meet C1, C4; C4, C5, C6
C8	17.89°	96-24-48-72	Meet C6, C7
T	0.00°	Table	Meet C3, C6, C8

A good friend and fellow faceter sent me a picture of a strange-looking clock face, and suggested that I design using that pattern. We both wrote designs - he used the pattern for the pavilion, while I used it for the crown. I win. Works in materials from quartz to CZ (RI = 1.54 - 2.16) with no changes, but I prefer it in Madeira citrine.

Suggested size = 8-12 mm

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